

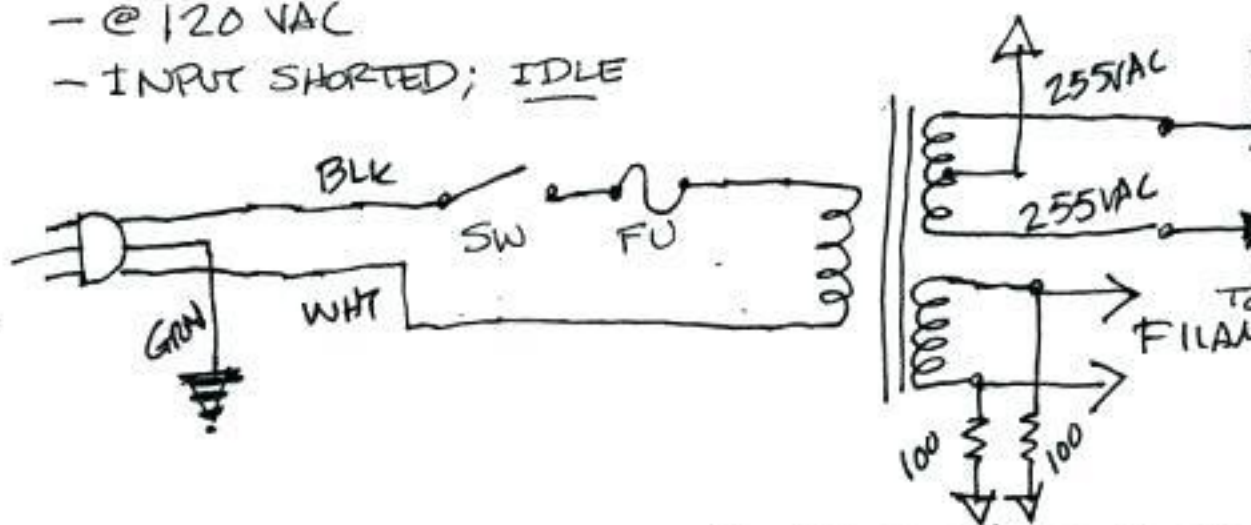
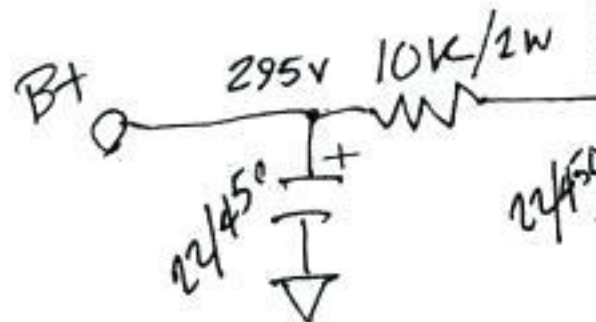
↓ = TO GROUND BUSS

- ALL VOLTAGES UNDER LOAD

- W/ 6V6

- @ 120 VAC

- INPUT SHORTED; IDLE



SOURCE: [illegible]

ELECTRICAL PLAN SYMBOLS

ELECT

IDENTIFICATION SYMBOLS

EQUIPMENT IDENTIFICATION

- INSTRUMENT IDENTIFICATION
- EQUIPMENT/INSTRUMENT LOCATION
- LUMINAIRE IDENTIFICATION
- a = DEVICE SWITCHED FROM
- b = CIRCUIT DESIGNATION
- c = MOUNTING HEIGHT IN FEET

RACEWAY IDENTIFICATION

- XXXX = RACEWAY NUMBER
- REFER TO CONDUIT AND CABLE SCHEDULE
- XX = PLANT AREA
- Y = VOLTAGE CLASS
- 1 = MEDV
- 2 = 277V
- 3 = 120/208/240V
- 4 = ANALOG SIGNAL
- 5 = MEDIUM VOLTAGE
- 6 = NETWORK
- 7 = SPARE
- ZZZ = SEQUENTIAL NUMBERING
- 000 3456 999

- INDICATES KEYNOTE 1
- (PERTAINS ONLY TO SHEET WHERE NOTE IS FOUND)
- OPERATOR INTERFACE STATION
- 1 = STATION TYPE

GROUNDING

- UNDERGROUND GROUND GRID #A/S S.D.C.
- UNLESS OTHERWISE NOTED
- GROUND ROD
- GROUND ROD AND GROUND WELL
- COMPRESSION OR EXOTHERMIC GROUNDING CONNECTION

LUMINAIRES

- 2', 4', OR 8' FLUORESCENT STRIP
- LUMINAIRE, EMERGENCY BATTERY-POWERED
- LUMINAIRE, EMERGENCY/EXIT BATTERY-POWERED
- LUMINAIRE EMERGENCY BATTERY-POWERED REMOTE
- LUMINAIRE CEILING MOUNTED
- LUMINAIRE WALL MOUNTED
- LUMINAIRE FLOOD/SPOT
- LUMINAIRE, DDT
- LUMINAIRE, WALL WASHER
- 2' x 2' FLUORESCENT
- 2' x 4' FLUORESCENT
- LUMINAIRE POLE MOUNTED
- STYROBE
- a = COLOR

SWITCHES/RECEPTACLES

- SINGLE POLE SWITCH
- a = DEVICE SWITCHED DESIGNATION
- b = CIRCUIT DESIGNATION
- DOUBLE POLE SWITCH
- THREE-WAY SWITCH
- FOUR-WAY SWITCH
- KEY OPERATED SWITCH
- SWITCH AND FUSE CIRCULAR HOLDER
- SWITCH AND FUSE CIRCULAR LIGHT
- SWITCH
- SWITCH AND DUPLEX RECEPTACLE
- SINGLE RECEPTACLE
- a = CIRCUIT DESIGNATION
- b = DEVICE TYPE DESIGNATION
- DUPLEX RECEPTACLE
- a = CIRCUIT DESIGNATION
- b = DEVICE TYPE DESIGNATION
- QUADRUPEX RECEPTACLE
- a = CIRCUIT DESIGNATION
- b = DEVICE TYPE DESIGNATION
- DUPLEX RECEPTACLE w/SPLIT WIRE
- a = CIRCUIT DESIGNATION
- b = DEVICE TYPE DESIGNATION
- WELDING OR APPLIANCE RECEPTACLE
- a = CIRCUIT DESIGNATION
- b = DEVICE TYPE DESIGNATION
- WELDING RECEPTACLE
- a = CIRCUIT DESIGNATION
- b = DISCONNECT TYPE
- SPECIAL PURPOSE RECEPTACLE
- a = MOUNTING HEIGHT
- b = DEVICE TYPE DESIGNATION
- CLOCK RECEPTACLE
- a = MOUNTING HEIGHT
- FAN RECEPTACLE
- a = MOUNTING HEIGHT
- THIST LOCK RECEPTACLE
- a = AMP RATING
- TELEPHONE OUTLET
- a = MOUNTING HEIGHT
- DATA COMMUNICATIONS OUTLET
- a = MOUNTING HEIGHT
- DISCONNECT SWITCH
- a = TYPE
- PHOTO-EYE
- SMOKE DETECTOR
- a = TYPE
- b = SENSATION
- c = PHOTOELECTRIC

RACEWAY

- EXPOSED CONDUIT
- INDICATES BREAK IN CONDUIT RUN
- CONDUIT BELOW FLOOR GRATING
- UNDERGROUND CONDUIT
- CONDUIT IN FLOOR SLAB/WALL
- CONDUIT CHANGING DIRECTION
- CONDUIT UP
- JUNCTION BOX
- CONDUIT SEAL
- DUCTBANK

MEDIUM VOLTAGE

- CIRCUIT BREAKER, MEDIUM VOLTAGE
- a = CIRCUIT BREAKER NUMBER
- b = FRAME RATING
- ANSI RELAY DEVICE
- a = ANSI DEVICE FUNCTION
- b = QUANTITY
- MEDIUM VOLTAGE DISCONNECT SWITCH
- NON-FUSED CUT OUT
- MEDIUM VOLTAGE DISCONNECTING FUSE
- SINGLE FUSE CUT OUT
- MEDIUM VOLTAGE DISCONNECTING FUSE
- DOUBLE FUSE CUT OUT
- MEDIUM VOLTAGE SINGLE FUSE
- MEDIUM VOLTAGE DOUBLE FUSE
- MEDIUM VOLTAGE LINE FRONT TERMINATOR
- MEDIUM VOLTAGE ELBOW
- MEDIUM VOLTAGE T
- NON-ELBOW ARRESTOR

LOW VOLTAGE

- LOW VOLTAGE CIRCUIT BREAKER
- a = TYPE
- b = MOP = MOTOR CIRCUIT PROTECTOR
- c = SOLID STATE
- d = THERMAL MAGNETIC
- e = FRAME SIZE/AMP CONTINUOUS RATING
- f = NUMBER OF POLES
- g = AMP TRIP
- h = DESIGNATION
- i = INTERRUPTING RATING
- LOW VOLTAGE CIRCUIT BREAKER
- ALARM/NOTIFY OPERATOR
- a = S = SHUNT TRIP
- b = K = KICK KEY INTERLOCK
- c = S = GROUND FAULT INTERRUPTER
- d = F = SENSORS KEY RELEASE
- DISCONNECT SWITCH
- a = TYPE
- b = 120VAC/1P/30A
- c = NEMA 4X ENCLOSURE
- d = 800VAC/3P/30A
- e = NEMA 4X ENCLOSURE
- f = 240VAC/3P/30A
- g = 800VAC/3P/60A
- h = NEMA 4X ENCLOSURE
- i = 480VAC/3P/100A
- j = NEMA 4X ENCLOSURE
- k = 600VAC/3P/200A
- l = NEMA 4X ENCLOSURE
- m = 240VAC/3P/30A
- n = NEMA 4X ENCLOSURE
- o = 600VAC/3P/30A
- p = NEMA 4X ENCLOSURE
- q = 600VAC/3P/30A
- r = NEMA 4X ENCLOSURE
- s = 600VAC/3P/30A
- t = NEMA 4X ENCLOSURE
- u = 600VAC/3P/30A
- v = NEMA 4X ENCLOSURE
- w = 600VAC/3P/30A
- x = NEMA 4X ENCLOSURE
- y = 600VAC/3P/30A
- z = NEMA 4X ENCLOSURE
- FUSED DISCONNECT SWITCH
- a = TYPE
- b = 800VAC/3P/30A
- c = NEMA 4X ENCLOSURE
- d = 240VAC/3P/30A
- e = NEMA 4X ENCLOSURE
- f = 600VAC/3P/30A
- g = NEMA 4X ENCLOSURE
- h = 600VAC/3P/30A
- i = NEMA 4X ENCLOSURE
- j = 600VAC/3P/30A
- k = NEMA 4X ENCLOSURE
- l = 600VAC/3P/30A
- m = NEMA 4X ENCLOSURE
- n = 600VAC/3P/30A
- o = NEMA 4X ENCLOSURE
- p = 600VAC/3P/30A
- q = NEMA 4X ENCLOSURE
- r = 600VAC/3P/30A
- s = NEMA 4X ENCLOSURE
- t = 600VAC/3P/30A
- u = NEMA 4X ENCLOSURE
- v = 600VAC/3P/30A
- w = NEMA 4X ENCLOSURE
- x = 600VAC/3P/30A
- y = NEMA 4X ENCLOSURE
- z = 600VAC/3P/30A

Underground Service Alert



CALL 811

1-800-222-7800

NO WORKING DAYS FOR 30

PROJECT NO: 7108810

FILENAME: 7108810-0001.dwg

PLT TIME: 08-JUN-2009 14:30

REVISIONS

NO.	DATE	INITIALS	DESCRIPTION	APP'D.



VERIFY SCALES

BAR IS ONE INCH ON ORIGINAL DRAWING

0 1"

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY



APPROVED BY

John Hines

1/1

EASTERN MUNICIPAL WATER

John Hines

1/1

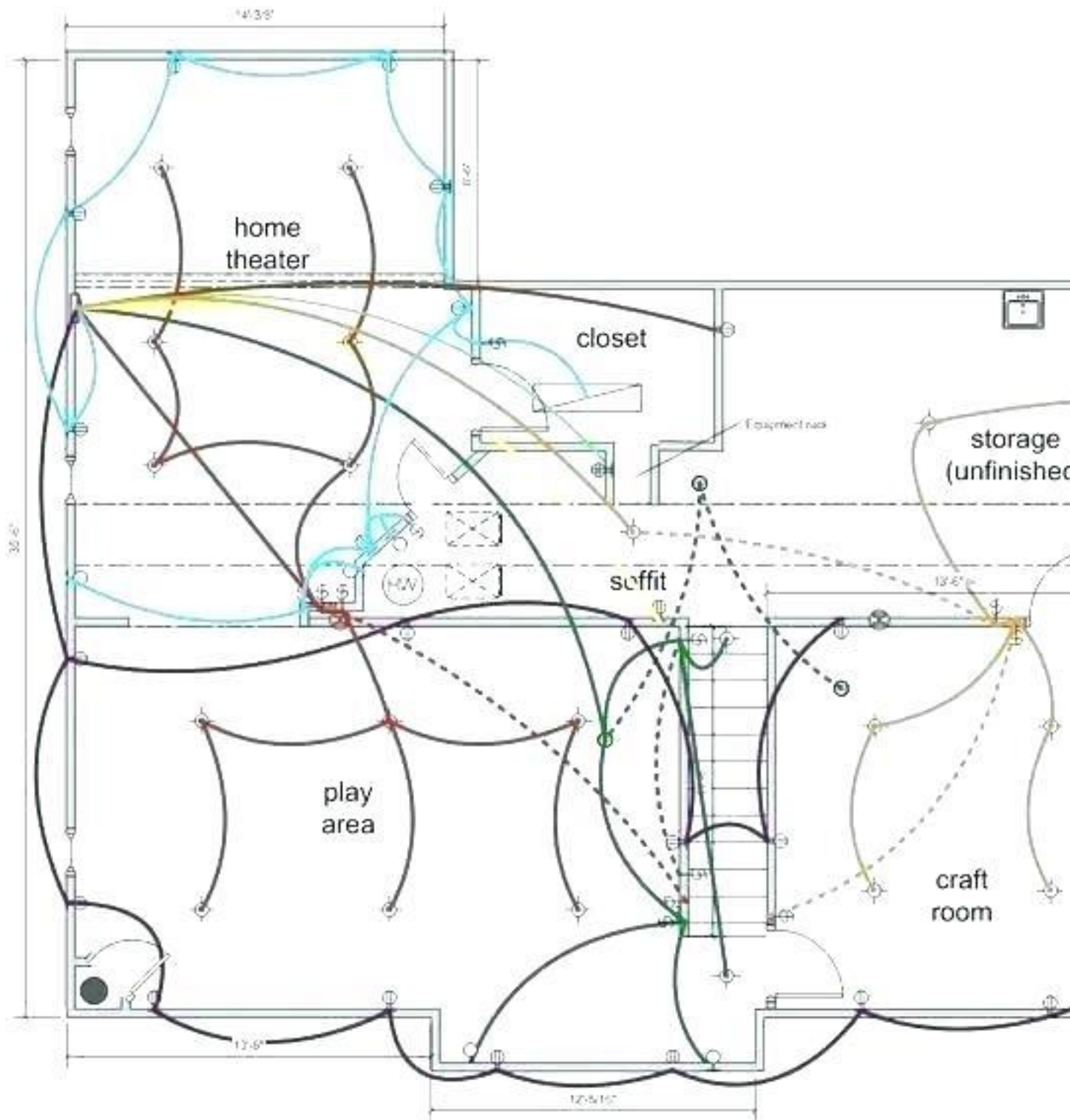
APPROVALS

PROJECT ENGINEER

PROJECT MANAGER

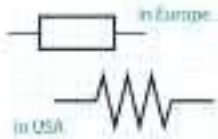
PROJECT SUPERVISOR

PROJECT INSPECTOR



ELECTRICAL CIRCUIT SYMBOLS

Resistor



Ammeter



Voltmeter



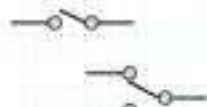
Motor



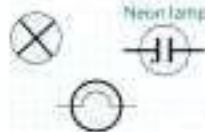
Inductor



Switch



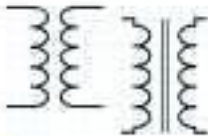
Lamp



Capacitor



Transformer



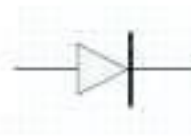
Ground



DC voltage source



Diode



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Ground Fault Receptacle Protecting Entire

